

Electronic Acknowledgement Receipt

EFS ID:	5986404
Application Number:	10828596
International Application Number:	
Confirmation Number:	5520
Title of Invention:	Methods of forming metal thin films, lanthanum oxide films, and high dielectric films for semiconductor devices using atomic layer deposition
First Named Inventor/Applicant Name:	Ki-yeon Park
Customer Number:	20792
Filer:	Shawna Cannon Lemon/Betty Rosser
Filer Authorized By:	Shawna Cannon Lemon
Attorney Docket Number:	5649-1286
Receipt Date:	31-AUG-2009
Filing Date:	21-APR-2004
Time Stamp:	17:09:25
Application Type:	Utility under 35 USC 111(a)

Payment information:

Submitted with Payment	no
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File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		56491286AF.pdf	898325 77caef893ed25a7e3042920a7075e601b2bc600	yes	14

	Multipart Description/PDF files in .zip description		
	Document Description	Start	End
	Amendment After Final	1	1
	Claims	2	11
	Applicant Arguments/Remarks Made in an Amendment	12	14

Warnings:

Information:

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New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.